LIST OF CURRENT CLAIMS

1. (Currently Amended) A wireless transceiver for implantable medical devices, comprising:

a first coil winding configured to receive a signal from an external source, the first coil winding being wound around its coil axis in a first direction;

at least one second coil winding configured to receive said signal from said external source, the second coil winding being wound around its coil axis in a second direction non-parallel with said first direction; and

at least one circuit board having at least one control circuit;

wherein said first and said second coil windings are electrically connected to said control circuit of said circuit board respectively.

2. (Currently Amended) The wireless transceiver of claim 1, further comprising a magnetic sensor having a first coil axis and at least ~~a~~ one second coil axis non-parallel with said first coil axis; wherein said first coil winding is wound around said first coil axis of said magnetic sensor while said second coil winding is wound around said second coil axis of said magnetic sensor.

3. (Original) The wireless transceiver of claim 2, wherein said magnetic sensor is made of a ferrite core.

4. (Original) The wireless transceiver of claim 1, wherein said first coil axis and said second coil axis are disposed in an orthogonal manner.

5. (Currently Amended) The wireless transceiver of claim 2, wherein ~~two said second coil axes are provided~~ said at least one second coil axis comprises two second coil axes, and said two second coil axes are disposed not only orthogonal to each other but also orthogonal to said first coil axis.

6. (Currently Amended) The wireless transceiver of claim 5, wherein ~~two said second coil windings are provided~~ said at least one second coil winding comprises two second coil windings, and said two second coil windings are wound around said two second coil axes on said magnetic sensor respectively.

7. (Original) The wireless transceiver of claim 1, wherein said first coil winding is electrically connected to said control circuit.

8. (Currently Amended) The wireless transceiver of claim 6, wherein said second coil ~~winding is~~ windings are electrically connected to said control circuit.

9. (Original) The wireless transceiver of claim 1, wherein said control circuit includes a first control circuit and a second control circuit.

10. (Original) The wireless transceiver of claim 9, wherein said first coil winding is electrically connected to said first control circuit.

11. (Original) The wireless transceiver of claim 10, wherein said second coil winding is electrically connected to said second control circuit.

12. (Original) The wireless transceiver of claim 1, further comprising an antenna set having a RF antenna set and a transmitter circuit for controlling the action of said RF antenna set.

13. (Original) The wireless transceiver of claim 12, wherein said antenna set further comprises a controller having a third control circuit for controlling said transmitter circuit.

14. (Original) The wireless transceiver of claim 1, wherein the number of circles of said first coil winding corresponds to the number of circles of said second coil winding.